ABSTRACT

When a predetermined voltage is applied between electrodes (302), metal ions deposit in a solid electrolyte (308), and thereby a conduction channel (310) is formed 5 The solid electrolyte switch (300) is thus turned therein. Because this deposition mechanism is reversible, application of reverse voltage between the electrodes of the solid electrolyte switch (300) already turned on makes the deposited metal atoms to migrate in the solid electrolyte 10 to thereby thin the conduction channel 300, thereby the channel finally disappears, and the solid electrolyte switch (300) is turned into a non-conductive state. of this switch successfully realizes an IC tag which can automatically be nullified withtout artificial 15 nullification.